



























Specialized Master in Nanotechnology

Unique year | MS-NATE

Bloc 1

Ci-dessous, vous trouverez les unités d'enseignement organisées à l'ULB.

Pour avoir accès au programme complet, veuillez consulter le site suivant : Master de spécialisation en nanotechnologies - Programme détaillé par matière (uclouvain.be) [<https://uclouvain.be/prog-2023-nano2mc-programme>]

- CHIM-F433 **Interactions supramoléculaires** | Yves GEERTS (Coordinator)
 5 credits [lecture: 24h, tutorial classes: 24h]  second term  French
- CHIM-F438 **Surface analysis of materials** | François RENIERS (Coordinator) and Herman TERRYN
 5 credits [lecture: 24h, tutorial classes: 12h]  second term  English
- CHIM-F443 **Approches computationnelles des états de la matière** | Nathalie VAECK (Coordinator), Antoine Aerts, Emilie CAUET and Martine PREVOST
 5 credits [practical work: 36h, project: 24h]  first term  French
- CHIM-F467 **Chimie des interfaces et nanostructures** | Thomas DONEUX (Coordinator), François RENIERS, Jon USTARROZ TROYANO and Thierry VISART DE BOCARME
 5 credits [lecture: 36h, practical work: 24h, project: 24h]  first term  French
- CHIM-H518 **Molecular Nanosystems: from principles to applications** | Gilles BRUYLANTS (Coordinator)
 3 credits [lecture: 12h, tutorial classes: 12h, practical work: 12h]  second term  English
- CHIM-H533 **Biocompatible and nanostructured materials** | Stéphane GODET (Coordinator)
 5 credits [lecture: 36h, tutorial classes: 12h, practical work: 12h]  second term  English
- CHIM-Y080 **Nanochemistry and nanotechnology** | Wim DE MALSCHE (Coordinator) and Guy VAN ASSCHE
 4 credits [lecture: 24h, practical work: 24h]  second term  English
- CHIM-Y085 **Micro and nanobiotechnology** | Gert DESMET (Coordinator)
 3 credits [lecture: 13h, personal assignments: 26h]  second term  English
- MECA-H500 **Microfabrication techniques** | Pierre LAMBERT (Coordinator)
 5 credits [lecture: 24h, practical work: 12h, personal assignments: 48h]  academic year  English
- MECA-H501 **Soft microrobotics** | Pierre LAMBERT (Coordinator)
 5 credits [lecture: 24h, practical work: 24h, personal assignments: 24h]  academic year  English
- MEDI-H506 **Magnetic Resonance Imaging and Biomedical Nanotechnology** | Gilles BRUYLANTS (Coordinator) and Thierry METENS
 5 credits [lecture: 48h, practical work: 12h]  second term  English
- PHYS-F475 **Nanophysics** | Pierre GASPARD (Coordinator) and James LUTSKO
 5 credits [lecture: 24h, tutorial classes: 24h, project: 36h]  first term  English
- PHYS-F512 **Molecular motors and stochastic processes** | Pierre GASPARD (Coordinator)
 5 credits [lecture: 36h, tutorial classes: 24h]  first term  English